INSTRUCTION SHEET



-J02706 Kit Number 25608-03Y

RFV 12-17-02

BUELL BLAST PRO SERIES CAM KIT

General

This Blast Pro Series Cam is designed for installation on all Buell Blast models.

This kit consists of the following:

Qty	Description	Part Number
1	Intake cam	Not sold separately
1	Exhaust cam	Not sold separately

NOTE

Installation of this kit will require the following gaskets available at your Buell Dealer.

Description	Part Number
Gasket kit, top ovehaul	17055-00YA
Gssket, camgear cover	25353-00Y
Gasket, timer cover	32341-00Y

AWARNING

A Service Manual is necessary for installation of this kit. The riders safety depends upon the correct installation of this kit. If the procedures are not within your capabilities, or if you do not have the correct equipment, have your Buell Dealer perform the installation.

CAUTION

This kit is intended for racing applications only. Buell motorcycles modified with some performance engine parts must not be used on public roads and in some cases may be restricted to closed course competition.

CAUTION

This kit is intended for racing applications only and is not legal for sale or use in California on pollution controlled vehicles. Alterations of emission-related components constitutes tampering under the US EPA guidelines and can lead to substantial fines and penalties.

CAUTION

This engine related performance part is intended for high performance and racing applications and is not legal for sale or use on pollution controlled motor vehicle warranty. Engine related performance parts are intended for the experience rider only

NOTE

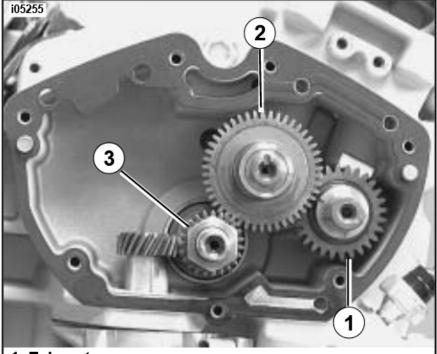
A Service Manual for your model motorcycle is available from your Buell Dealer.

REMOVING THE ORIGINAL CAMS

See Figure 1. Refer to the applicable Buell Service Manual for removal of the original cams.

INSTALLATION OF THE NEW CAMS

Refer to the spplicable Buell Service Manual for installation of the new cams.



- 1. Exhaust cam gear
- 2. Intake cam gear
- 3. Pinion gear

Figure 1. Cam and Pinion Gear Locations and Timing Mark Indexing

NOTE

Cam Gears for the Pro Series Cams are available in one size only. No selective sizing is possible. Some increase in gear train noise may be notable.

NOTE

These cams were designed to replace the stock cams and maintain sufficient valve to piston clearance. However, it is advisable to check all engines for valve spring coil bind at full lift and piston to valve clearance. We recommend this inspection be performed by a Buell Dealer.

Put clay, about 1/8 inch thick on piston, in area where valve would contact pistons. Assemble the heads and valve train and turn the engine over by hand. The heads are then removed and the clay measured at its thinnest point. If not at least .080 inch thick, then notches should be cut into the piston crown to obtain that dimension. The depth of the notches must not exceed 0.135 inch.

Valve lift	.498	
Duration	Intake Exhaust	228º BTDC 238º ATDC
Intake	Open Closed	160 BTDC 320 ATDC
Exhaust	Open Closed	430 BTDC 150 ATDC

All Data derived at .053 inch Lift